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(54) Title: KIDNEY FORMATION

(57) Abstract: In one aspect, the invention provides a chimeric kidney located on or near a large blood vessel in the abdomen of a mammalian host, in which the chimeric kidney is capable of producing urine. In another aspect, the invention provides a method of increasing the nephron mass of a mammalian recipient comprising implanting a metanephros of an embryonic, preferably non-human, mammalian donor on or near a large blood vessel of the recipient.

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